# Aviation Vews MICRAW-HILL PUBLISHING COMPANY, INC. NOV. 11, 1946



New Navy Robot Somb: One of a series of "tomorrow"-weapons-today" at which the public was given a quick peek at the Naval Air Material Center" of open house" is this turbo-jet powered RDN-1 guided-missile which is carried under the wing of a PB4-Y Privateer and launched from the air, It has a "seeker" head and a speed of better than 500 mph. Story on page 9. (Newy photo)

Culver Model V Offers Many Features at List Price Simpli-fly controls easiest way to use flaps; "hollow-log" production at Wichita.....Page 13

Airline Credit Drops as Earnings Fail to Appear
Easy money period over as financial houses grow
wary; mail pay key revenue factor.......Page 20

Joint Group to Study New Air Safety Requirements CAA, CAB, and industry will meet in capital on proposed 150-hr. accelerated tests.......Page 21

CAB Proposes Streamlined Violation Case Procedure
Offers conference between airlines cited in
"show-cause" action and Board attorney. Page 25

TWA-ALPA Settlement Lags as Pilots Refuse to Sign Union representatives refer new arbitration draft to Chicago; object to pay provision. .Page 27



# Research takes the long range view

Sodor's achievament in the oir was vesterday's research problem. Now, when men can be in confort effect above the earth, science is reaching up 100 effect and more to explore the possibility of controlled flight through intentallor space. Certis-Wright engineers have played a major part in the development of resolutionand continuing studies in faster research will be verified by supersonic wind tuned tests on small dynamic models The Cortis-Wright record in design and manufacture of averall provides a litting bookpround for the beyond-the harison pleasing which guides our thinking for tomorrow





THE AVIATION NEWS

# Washington Observer



wiren effectable to the Republican sweep of Congress they crossed more lines to expoort the conglists Los was premarily concerned with three shieses Federal hill and concer the Webseron-Helmer-Helicik subcoordinates for evision, labor, and approximate of surger bill. History has been a recovery of interest the book of convenient revolutions effective all in turisfiction over the response Lawle be has release industry. Windianana facing is they demon controlling units with possibilited community their fields for door national defense appropriations although some CAA curs may come. Some user of labor legislation dosized to improve labor-reseasement relations—one while a retransport Case hill—seems in the casels. There is strong prelation that negative suggests in all fields and restd with the emphasis on arbitraine Connect' inmust of the law, rather than accomplishing a great

INTEGRATION REVIVAL-Benefition control of the House will place Republican Charles A. Welson can. N. L. in the chairmagness of the Inverse and serious the cessibus Les bill of 1946, unoramously suppersed by the sicknes. Welveroon changed the hill was the net result of AYA lobbying, and promoted a substrage measure, opening the doors for inservesed connection of various major of consequences, the recognition which is vicerously adopted by reil-

the particular administrator of the morane.

KEY TO TRANSPORT LAWS... The two concerns men who joined Wolverson in spearheading the 1941 drive to kill the Les bill and open the way for castrood ownership of nirines, Republicuss Pehr Helmes, Mass., and Charles Hallock, Ind., are absent to be the two use making majority members on lasterness and Families Commercy in the next Commer, Their record in force of increased awareship rains sireificance in over-all conseporation legislation in the new Congress. Holleck was an appressive advocase of an andependent Civil Acronnatics Authority in the last

ranking moneyly receiber of Inspectors in the new Congress is Republican Carl Hirobow, Calal , who was on score member of the 79th Congress' House Comsuives to leveraleum Ast Accidence, beaded by the tion chargette in Concress. AVIATION NEWS . Navember 11, 1946

UNIFICATION RESOUTENED. The GOR owner ions power in both houses makes Millioury Affairs commattenance who backed a unified command with cocould trace for the six, we said record forces, leading condidates for chairmanables of the arrest services. convertines. You elalestee in the Seners is GOP Sea. more assessment ends records decemed desirable by Styles Beakpes, N. H., an Air Forces embasius. Republican Water Andrews, N. Y., now up ranking member of Military Affairs Committee, is absent to head the House Armed Services Committee.

> BREWSTER UP-With Republican control of the Series. Republican Owen Bermure, Maste, becomes the leading condidate for chairmanship of the Special Was laugulanced Congruence and a leading confidence for the chairmonthip of the conding Incomes and Foreign Commerce Committee to be formed through a mayor of the present Converge and Jesustate Commerce Committees under the Communicated Reprevenuerion Acs. Top claimage for the chairmagehin reaking prepaler of Senses socretors

> SPOTTIGHT ON CAR-About convered to tion of CAB to determine to what extens-if at allpolytics has informed Board decisions. As chairman of the Senate's Special War Investigating Consessions, Beautiful would be in a position to move aboad with the make-which be wanted undertaken in the feet Coursess. Majority members of the special investigatinc committee in the new Scenary Republicant Ice Ball, Minn, Houser Forgusce, Mich, William Knowl-

AIR CHAMPION'S DEPARTURE-Blazen deappointment in existing circles over election results. ness occupant by defear in West Vineinia of Eco. in the House was the most vocal and effective axia-

WASHINGTON OBSERVES -- 3



Experienced AERODY-NAMICISTS and AERO. Morrow H. MCESS ... Transport Edward

William Kings.... Denis Augenom NFFRS are needed now SCHOOL SANS ... Pulfe Com Line Opportunities for nee Iminary design work on Louisin Havymen N. Y. Adam Many Again ..... Edward distant advanced elegraft and Soner W State An Dresse BOSTET W. Marrey Labor Manager secrics.

Referri Press Hits, Stellington & D. C. Opportunities with the Published and Empairs Officer THE W. AND R. NOW THE R. S. Y. company which designed AND DESCRIPTION OF THE PARTY OF and built the war-famous B-24's, B-32's and the world's lergest hamber the \$-24 new

is Fort Worth WRITE NOW: 44 nerficulars, including education conscience have

salary, etc., to: Engineering Personnel Represen-Alcond Companies Cod

tetive Consolidated Vultee Aircraft Corporation fort Worth, Toxas

undersping flight tests

# **News Digest**

Europe E. Wilson resigned on spe-chiarman of the board of arr palter. He will continue so a War Assets Administration will

uonal of 2,260 combet serverit in Wilstory Buless coverages to masson wall be headed tearthy by Lorest Con. Lewis H. Breveton,

Near Mare XW-1 and a personthe up without reduction. The ure-

ATC experimental C-54 made a injuries resulting from enables

Donelin Alexadi Co. nurrhanel the mour portion of its suvernplant from WAA for a price fin

person of \$7.500,000 " The plant aredwood Bull's Aults and Collin to house Donelar prefabricated Bornster Acresostical Corp., in the the nine months ending Sect. Seeled blds for purchase of 167 engine Compa pinggall will be no-

critical by WAA before room Do-

FOREIGN Swinter, Swam Arrive in its to 28,000,000 france by brass of \$4 -

All of 24 persons about a cherimed French plane on roose ing were blassed by French au-Beered but nerved notice that notional ser comparers desiring to curry air fraffix in that sounds

grounded because of the mustap 5, secondana to M. Vernondical

Olerte Executive Years has green from approval to formation and execution of Channals Air Transport to heat rehet seesion Air Proce commander, and Wifttear Willster, former FEA textsportution adviser in China to which UNRIA will powide if and Chemoult and Williams will put up equital of \$1,000,000. The for visitors arriving via Northwest Assister Goost Circle stone to the Oness. corporation will be dissolved as a Filish secretion marriages the corp of the AAF Describest found them 1875. Burnia and China have concluded and Chins. A sout Sepo-Bassari

exemplery will be regulated to oper- pervent air decontinuation. BOAC has appreted the first of

11 Halton transports (converted Halfflet bumbers) for service on PECA is forming a special engagering group to develop Telessa-its new six ARTATION CALENDAR Salt-Manner Swafer !

Day 15-15-Noticed Allered Story, Garden Hote States, Circles,

on every bideal \$100 as a small of the mont Continuousl narise order hone: LAI Magney, who is reported developing a pre-shot all-motal personal plane is being developed as a 100 mph sental job Parts, France.

Per. 140-1545 Stational Air Discount Final Section Sugarnate Frank Factor States

h Lockhard last work held the three too awards of the National Sofety Course!

FBell's XS-1, the supersonic experimental sixcust, in finar arms at Mora-Loke Gliding flights with non-increasing loads are being rock from a B-20

mether ship. Her powered flight is acheduled for mai December but technical sherves believe most time well be required to complete adjustments assume tied by every solvene in the place's weight. treat have a recognize capital of \$800 Airways became the first airfreighter to fir a 2,000,000 rate margin

with a total of 2,214,035 tan miles in October. Shok has now flown 7,320,592 throught since beginning operations but March. Slick's October load factor Misson Novigotion Co. has formed the Matton Artistics Maintenance Co. to bucile cecchna's and convenions for so are terreport division with headcenters at Onkland Manicipal arport. Another evenhed best at John Bodgers

Stimon's street sales manager, Laure Copers, is somblers were coper process. points out that increasing meeted and labor costs have could such school Childre Alexands Carry of Fort Worth, realier of the South, in one for only on

Fallow of production to keep puce with new prices has beented flour Acrato \$100,000 were received but mooth from Douglus, Bosing, Canadalated and • Civic and besiness groups of Mannaspolis and St. Trul are considerary plane to establish as Alaska-Orace House as connected and cokural beautypeters

of fire hours during the 43 hour fluts, suffered mild debutation, mixer handrecommending unstiffs on of decisioners to all future long range saturaft to \$ Lockbood August Corp is planning to book at pornell to 50,000 by the former's muraci during of the MIT reductes laborator who has bondled

mostly. An industry wide new of 8 to manhous loss per million was reported

tion Engineering Con-



dust a look at the record is enough to convince even the most carral observer that progress in a sistion engines has above here closely related to rengess in aviation faels. Today, as the next charter in ariation history is being written, it is still apparent that improved fuels make feasible the development of even more efficient engines.

Manufactures of Ethn! Said, used by oil composite in improve the artificial country of arieties and motor excellent AVIATION NEWS . November 11, 1946

Vormer 6 a November 26



Newspher 11, 1946

# Big Cities Battle for Lion's Share Of Federal Airport Program

Small field proponents counter-attack at CAA hearings; Mayor Kelly of Chicago protests to Trustan.

the big softne terrequals spoke first, and longest and longest, last work at the far-day Westerston the clours summers And at the end of the turnalt

b Heavy Artiflery—The his surport ertifiery to Mayor Edward J. Kelsieger and spokerman for the American Mazampel American;

\$2 malken or less expended on the anythy of federal and, for each adchired the favorale resilited the

Mayors Protest CAA's Bandling of Air Part Franks: Led by Edward J. Kully of Chempo, and Dal Phal V. Besters, nece. director, U. S. Conmaracpal erports. Left to right: Mayors Thomas A. Burks, Jr., Clovemanagal serperis. Left to right: Respect Thomas A. Marks, 37, Corre-band, Oho, Educad J. Leftner, Derout, Such. Occur Scott, Proble-Warks Conveniency, Chrope, Mayor W. Coper Green, Streampless, Ale. Provident Trainin. Del. Pel. V. Better, Mayor Vancet J. Murchy, Namurk, N. J.; John J. Burns, Burtmoton, Vt., and Edward J. ferreals results in a federal grant

searchy helf the enters Michanen mation, declared that the era of public fearning of harr caperterminals was comen to an end

and had been apportioned but

Spokesmen for the big celles and of but \$3,390,000 or 29.5 severes." b Hartraeft Replies-'It is quite obvious," exterted J. B. Hartranit, ers and Pilets Association, "that some big cities are enger to gobble He possed out harther that dur The 1640-1945 the excernment had He wanted out that Bultimare was saking a \$4 million reget allistuph the whole state of Mary- program, and the Development of



AVIATION NEWS . November 11, 1966

READLINE NEWS -- 7

resen the development of the He attacked the Class IV and V

MacDonald stracked the muposed rules on the theory that they

Private Priors .... 196,802 Fight schools ...

Manacipal respects 1563 CAP arrests.

CAA Intermediate COSE Fields new

Combanion frequency of a wheter and an estograp, a stagic place General Electro Co with the exmointed agents with restricted

relative blodes which are not in The Gove Gilder wearts 120 In

Owi Landing Arm program, while consistent with mone state from any move to cobble us available the surport aid program to voice a sets, and sailed for an equitable Wayne Walshaar, segretary of Aeronantical Training Society

reinled to damage sufficed by merchers, Cower L. Parks, E. St. uses, and the future of the feda Igner for the smaller fields. Porks leng marker of small surports often to the cure state which would really serve the people h Kirkend for PAC-Robert Kyn.

Read, Energy Workington revers sentstays, spenking for the Perbut fields, seldom used by persone seem! Avered! Council of the Lowell H. Savance. National called for adequate allegance for Accounts Associates executive all twees of accounts. "The Assovice-presected, declared that has cisting feels most emphatically

presentation obviots streenessly to that the formula which has been

turn marangal agreets "ber-

roved" during the war, and

ager, found himself arguing on

both sides of the delute. He

makes up over 50 percent of the



three GE onglosers, Igne R See on, R H, Sell and Devel C

and one lift nearly 100 In It to

AVIATION NEWS . November 11, 1966

Plane Production Increase While production of military this part of the backing increasing

Manager Director II E Foretown August, \$26,000,400 to \$22. general approval of the regulations Charles Eylpne, scenaral counsel of Marianel Sections of Mariannal I var Officery took the presented fataled regulation, and wrend E J Burkhardt, manager,

NAMU is the KUSN-2, powered

and in value from \$847,325,472 to 2002,084,572 This plus on inports of a weakened market for personal planes, the two-place backing drapped from \$2,504, to fint type also were falling ducting from the wear's bigh o he Jaly grounding by CAA of

received. Two features found to by twin hearts-tast repliets and and a "molect" hard. This form of sign, with stable woner and a guadance to the larget is preferred, butterfy tail P Two Resist Messie -- Perhapt powered suided criticile It has

Navy Developing Variety of Missiles Rocker power and target stelling suided presecutor are in produc-

By WILLIAM KROGER one displayed at a recent exhibit at the Naval Air Material Cristic of television control for stated One breusch of NAMC, the Naval

Bermingham, council for Scroen-

Bernk-up Test: One of some 250 study and experimental present at a speed of about 90 reph. A duncey in the cockpit tests pilot hornesser the eleme is studded with strong amount and other deriver.

Place shows number five in a series of crasher, of which there have appeared different kinds of maded been eight to date (Namy photo)

two arrier has been abased with assuming the CAN rest was stores. transance, which is sharred with contents to the impact according a speed of 410 crab The er on anti-aircraft weapen and it effecson of the Based of Boungarie tave up to 10,000 ft. Thus is one of mintstratage from 1942 to 1945. He or for report largebone Meet OFF.C. Before retemps Govern-

> NATA Will Meet For Reorganization

sirerall structures and engines up under temperatures as great as

One of the projects now negrots the steps where definitive data Repress Arbitres These models alled with storin and other gages Hope is to grop these models from short 20,000 C and the

speed of much 54 (about 440 mph ) recovering engines, nithough

McClurkin Leaves FLC To Take Francowic Post Rabert J. G. McClarkin has been

ternstronel) of the Economic Buresu of CAB to succeed John Shey-

16-HEADLINE NEWS

War Arests Admirastration placed on onle last work 25 C-5to and RSDs and 66 C-65 and RiDs, in addition to 44 differ and for the C-94 types and for the C-47 types from

hance plane are Piper and The Records is thorsel at \$0.500 Other of Aperuft Dynessi The meeting, held in continuous

executive director and later approved by a board meeting at By last week, approval had been ber, suchadisse the entire member-

designate officers to preside at the swited work program, budget and

polyme at the Secretary's office in special a namerature committee for

NAVY AIR CHIEF:

AVIATION NEWS . November 11, 1946

CIO Strike Collapse Is Studied for Pattern Labor makes few exist in nost-

mores' aminode selftem

wagger and unner most face the was not present in wurture. Mara Emistance - Maxagement Programme the first description of

board of the Allie Chalmers strikes is an example. The walletel et the La Crosse. Was, plant had spened earlier, A-C plants at World Aftin Wise, and Boolen, Many were still closed last week. late On the Worl Court, three nut of four recent hargaining rights shedom, conducted under Natonal Laker Belations Based auspiper, were lest by the Interunofficied, and the United Auto-

delated union treasures. The

AVIATION NEWS . Numerabor II, 1946

using staff among afteraft conoletwee and eighte meebawke in sled for Nov. 5 and 12 in Chicome Preliminary plans were laid wheel at a defeat of \$70,000 a wanth depute a dark increase from the Ortober The UAW-CIO's Bender pouncil is greature organization n 14 months sireral employees officers of the Polices Propert Trees in the Hewtherne, Cal., plost of Teterbern N. J. where the usual proper altitude, When a plane in

chartered only last June, and 255

votes, with 18 votes east for "no

Almine for a moster contract

POWER AT THE WINGTIPS: Demoustrating two namest engines instelled on the wenging, Nanta American P-21 Maiting gives a devionstration flight at record mosting against the UAW-CIO. The is recking to resisce the Indo-

ante war 1 460 or 49.7%, for no periodent Autoraft Wankers Urann union and \$42 for the C1O. The of New Jersey on harpelting CIG's showing has been sucreas- agent. Navy Will Test AM in April, 1968, and 61 1%

Improved GCA Unit At Lackbood Asseratt Corp., A new station to test the effec-Burbank, Cal., the LA.M. was demed the right to represent supervisors when section exercision prooch (GCA), roder londing systern as mad as a new more and group supervision apposed it expounced last week. The Nevr Kee Fernando Valler plants MAM. Victore-A victory was vinors' Lodge 1550, IAM.

whether all an analy "belondered" to had

trepa cove as operator identificaappear on two scopes utilized by a ungle energies. He can direct at approach, keeping each at the

railes out, he turns it over to the final controller whose directions are required by two other opera-Nery new has 13 mobile OCA statues with the U. S. and plans

National Air Show Space Is Increased With deather anemaching for the first unstayer National Aircraft. plant at Cleveland Musicipal Airport, Nev. 15-24, Clyde Vandeburg, show director, lest week reand that \$3,500 additional on fi of squre as being made available.

he periodice the worth of show sides. (These will still be wide repart to accumundate 49 perover walking abreast ) A Vertice of 72 660 as 71 and have been made to the AAF and Navy ZuAcr, 4,000 on Ft to CAA, 3.380 to NACA, and Lift? to War Augsts Administration, Exhibiters Push-button duplays and "walle through" exhibits, so that show-

cases may positionate are holes ceries of displays, which include tion displays as a full-scale cuthe evhibited by the AAF with ings indicating to walk-through

corefers, and specialized educa-

int a runnier not before shown. will be turned over to public operslice, while CAA will feature a The show is expected to have the most complete display of American portager personal strat one place, since it is the first

term from other leads, fewn in exhibition flights are pleaged tochaffing / subbest to final confirmastage coach, refread trein lake steamer, DC-3, Air-pickup plane

Pleasure Sun Properture cab mart. Medicare, was the Errotel Freighter 110, new Belish Oakkand Alopert on a routine trip from a Sen Francisco hotal Routine coded wisement ranks the return but earny coaft and carried and a swell present," Pleasurer

The air are has struck Earl

silv persebuje drupe. Dvine radiecontrolled planes: sir-te-prosed

Young Renamed to CAB a record press conference that he will respect Clarence M. Yours early the year to fill out the un-

reappointment probably will be made a few days before that date Concupate, Swappy de, Indexesbelangues, engages - accessories - olds, and Cleveland, with five



APPEAL WAR IN BLORIDA memps of Florids. C-47 carries 650 gallous of a

over a used for classics work to reach areas and occasible to igreer and faster planer. The Florida propert to a least effort by the AAF Acriel Insectito develop new techniques of large scale ecospile

over 2,864 agree per fight. The Shareky R-6 hely- Furner photos)

DDIVATE FIVING

SCHOOLS Sements procellers, best of which FIXED BASE OPERATIONS

Culver Model V Offers Many Equipment Features at List Price Simpli-fiv computs impress writer as easiest way for "barn" pilot to use flaps: "bollow log" production line at Wichita

By ALEXANDER MISURITY

Model V two-clace numbers at one benderly importent of the most obtractive planes us its Not Tee Named -- We suggest that Onlyer tie in the propeller control Core . Wightle, and a flush in the thenes on the Cultur which the

simple. An optional acromata nower class (65 hz ) cruster at nonceller would sales the pres 132.5 mph. at 4,000 ft. control problem they mid, but the It comes with considerable at hat (\$3,000 Grayery Wichita) resconsequent of light and born proceller, lambag and ravigation inghts, and rest panel highling, and a sancd scale. Delen starter and conparking brake, to-dawn rigon.

Mengh-de Centrels-The Sergis-245 and Jan 7 1965) but nor fast flicht experience with it con-

Consider Culver: One of the first Culver Model V please to be ex-

Calver could get the additional cettre 29 ft. wing in best as a single upst, and then from one the function, after it is exempted with landing goor, lights, etc. to retail for all-metal plane production, following the mently shiften treed to all-metal perpount plones. There appeared no

plant could step up to about outh

Calver in which Jack Starge, for-But the chargeover, if it cames, Meanwhile, Culver will coefficie Pay all punctical purposes, the Model V appears to be savegowd. characteristically mesonable of

Lake a few other postwar medels. of the few in the country which matal-construction factory. The cod negati of redder control wasters call it "the believ lot" which regress the plane to be undagion line. Approximately slipped, somewhat, and which

parted was this Committee plane, formed to Vascourer, &C., by Row

Schweizer Develops New Soaring Plane

Schweiter Aircraft Corp., El-

comment is producing a \$750 depost with each order, and will

speed of 130 5 mph. Specifications include all ft. wingspen, 22 ft. 16 Standard equipment will inclade two sets of speciers, one double, to be used as a dyre brake.

Ercoupe Meeting nearly analysis, accombility and More than 15 Eccupe distribuinterchargeability of parts, high



MAC-115C, shows trim lines of the plane exhaused by raktsh spaintseb, asked orace earlier photon (Aventure News, Mers 13) Schount silencers protrading from coaling are stondard equipment. Plear new tion to enhance at Terrament, Mich , or soon as the experimental urgo-

sides for Engineering & Brocard 16 at the Shoreham Botal, Washclude full flash proctant percenvangus officials of the company Maton Corp. Pallowing the meet-

> Grand River Air Park Is Operating

the 25 hrs. Denountly recovered above, at Non-Permando. in ordery already received, as soon as CAA certification is obtained. The four-refrider topologic 23 kg. motion flight or in making a littling

14-PRIVATE RIVING

Nelson engine weight less than 50 th, but will life the efficient in a course takened with a \$60 ft. run. The engine is shat off for spering and glidding, but may AVIATION NEWS . Nevember 11, 1966 hose for pureate frees, despriseruded renorms, 1800, 2,000 and 1,900 ft. long and a full mile of treetage on Grand Rover. The must hanger 163 by 62 ft. is fully en-

When completed, the alepack is (ANIATION NEWS, March 11, 1946)

Benney, servelacy, E. A. McCready, bressger, and Paul Miller, Circer A Wallace and Barry I Tradite of Pluttery Propeller company. vice at Kept County Airport, south in Michigan, and is in charge of construction, while Wallace, le sensor pariner in Wallace-Lindeman, Inc., advertising coursel for Lecution of the airpork, 18

bus route, makes it advantaseous

Utah is Extending Control of Aviation Utable state ensureering com-

state better control over priors who

AVIATION NEWS . November 11, 1966



come from their house field and forting at Waltita Ken. In this an-

lations will be clusted as a resalty of \$960 fees and/or on Pliate making creet country given at every surport and an every disturb the reblic peace or to ground, or in other accordit is forreceduted areas, assemblies of

persons sutomobiles bonts livestock, poultry forks, mesk or tox for acrobatic fiving within a mile herapetally of any servery peenlated district or assembly of persoes. Peymannan is also required from an appropriate in fight unless the exting it becomen it right bracks the Shooting on airports is to-babbee.

arrest lone, or having "different

characteristics" than the type be in

sway The Gregory form orteer labor which made the have preciond their retraft v was opened Currently there the GI flight trusting progress Tentes I Greater from Arrest Canty, meloding E D Brenner, garage sperator his son, Elvers, 13, and daugh her, Jackse, 16, all frees; Lefight stadent for House

Flying Town

soluted small constantion in

A year ago Gropory had no airport, but had 18 Teensed

(nopulation, 200 )

fremer with his own nintrin DRIVATE REVING -- 15 securing and the selection and the selection of the formular indicates and the selection of the stall and spanishes the selection of the sew respiling manurer makes the last in the robot of the set of the selection. The reverse important has described that it is the robot of present spanishes that it is the robot of the selection and already taked it influenced the spanishes for the selection of the selection o



# Potomac Scaplane Base Is Approved

Over-rolling pretents of adjacenty property swaters and resident, Maryland State Available Commagars, last week, approved apphation to develop a neuplane base zor miles seath of Wiesburglen, at the mouth of Broad Circle on the Poternor rever

around route originative, severaled to high the control and the polymer of the control and the control and the format and date avantance with federal and date avantance to the flag throughout a control to the flag throughout a control to the flag through the control to the polymer than the control to the polymer than the polyme

Northwelp lain, six of the 1522 World Fire, those the 1,200-fit reviews, end porting facilities, such of the AGEP Planetaries, Council action apprecials the 41,200,000 development to expected oces, ont is may be southen operation in a pare. Only 15 write areas the last from the AGE was the fourteen Martined avoratio, the Checopy seylect to 30x4y to mean commercial shalled on service between the two children at until ar counties oblig provide favor provides and the second according to the county of the county of the counties of the county of t

and only a deplical boxon

Someone plan to construct with May planer assistant enterestive roung, and indeption the model of each of which with Other to the May planer and the May thought programs and the May thought programs, and the May the May planer and the May planer and the May planer and the May th

Private Flyers Get 122
Megazyele VHF Proquencies
Persented and potential week
by the Pederal Coertisatement
in 122 majorite berd before
the 122 majorite berd before
the 122 majorite berd before
the flying open the way to firm
mediate use of uses of the new
VHF tree ratio equipment pre-

number of manufacturers.

Funding the permanent frequency aftending, the opcoment Analese sized in tests on the temporary private plane frequencies of 1310 and 131.7 megasystes, and the 131.5 test frequency.

Decisic Radio devicion, Balti-

VOYAGER PUTS ON FLOATS:

Perty pletograph; 6 the Strono Voyage 150 with the near Eco Model 12 Perty pletograph; 6 the Strono Voyage 150 with the near Eco Model 12 Perty pletograph; 6 the Strono Voyage 150 with the near Eco Model 12 Perty pletograph; 6 the Strono Voyage 150 the Strono V

CESSNA ON SKIS: Cerma Aircraft On in preparis for tests with sloss on its ton-plan Model 12th and 14th personal plane Tests one of assurand interest be these if in first six installation in

The component includes frequencies 1221 and 1225 for private according to result, auction 1000, and 1225 foreign properties of the private plane into season and the properties of the propertie

# Faral Test Flight

A cet prove does it a speak meet than 20% above the same than 20% above the simplest, resulted in the crush of an appearment from the crush and a speak meet from 100 km for 10 km for 10

# Briefing www.now

An OFFICE ARE USE-has regressed of decrees a privale fifting by a first of a south of the control of the contro

cruter He warm "It is expet to be fated for this country (British)

to group out of the light agreed; world. Our years; posses should beare

NEW YESTAS-New modibilities for high userd nersonal planes are

heige spened up by the numidae Flyias Flourder Chaper-Yough

design, griginally developed by Charles H. Zimmerman, new Charles-Vaught consultent, when he was at the NACA Laughey Field Inhantery. is his space time, as a personal plane design. Zenguerman still thinks the place has come manifolding to a personal approxit, although the developments now return on ore Navy operatored, (V-112 and XFSU-1). As will be resided ("Aviation News", July 1), the fiving full-scale model V-172 has propellers mounted in the wingfup driven by extenson that's. They pull the place through the air at kish smeets in level flight, or the electric one he "hang" as its propelliers, at less room to As at year alow beauties much the a believery. It is predicted that the Perry & Whitney E. 1800 envises to be used in the XFSU-1, with water injection will give that plane the phenamenal speed reage of 10 to 460 math. A similar correct, one terbine-powered might have a ment assess of beneging to come life made. Main objection to high smooth in named shows has above here the accommoder both landers speeds, with their hannels for mexperienced flyers. The Zimmerman dears were in excitant the majorate types. We assume that are also be a second to the second types.

public-jumper.

2EEPS IN THE SKY—The story of the lightplane in Warld War II to took in "Teeps in The Sky" a book by Lt Col Andrew Ten Keyls.

ANY Commonwealth Region for. New York (AL). The house in their

sing his Describe politication, contain a marcina articles principals.

CALIFORNIA TELEPHT FROGENIA—14 and 18 to cells a principal (for a 150%) collect inverses polity) the California Sincia Bard of cells of the c

bendenarters.

# COAST... COAST. NONSTOP SLEEPER TRAVEL!

# PAN AMERICAN Pioneers Again



A PROMETE COMES MOMES to the wint the Comments and was policy which permetted U. S. domestic attitues to opense about service between detent cites within the United States. The many shows MODER OFFICERS FOORS. How to a view of the next facour ross - conjustable, and completely

PAN AMERICAN



twin-decked Chapers—to enter service next year on America's America, marriest actions.

Last month . Pro Assertant made are transport history ales to be made woughte by the world's FASTEST airlines. How ... For American offers for 1947 - Navators Overzirle, Coust-to-Coust, Florey Schedules - with "Frotherbed" Slower Conduct on America's LABGEST surface.



A POSMY LODNOS. A feature of those care, twice-feebed Clippers. which all passworm will wakerne, is a pharmet ground lower, exceled

Only Pan American can offer you BOTH! Next was assessed aethorisation is obtained from the Circl Accommence Board, Pen American well put sets conviction not one. But two types of smoketiments

alreadt . . . The 400 rule so boar "Choose Bambow" and the great 340 rade-on-hour two decked "Clapper Florer Clevel" with their your first of sister days By the year real transit to be provided and the second at parasit-place speeds (fastort over offered in everthe continent in as little as for Lours! Or, you can comy the confedence of "Footherbod" sleeping corahaumondy conreced "slacper" phone Para American seas first to place probes for those altramodern ardigers . . . well be first to receive them ... and first to offer to the American public this com-

blustion of kirk-meed and "deeper" service. Donnerson schoolsies et

World Airways The Sustem of the Flaing Clippers not retirem passages and her date them will after

sub-produtings becomes shedder, and positive by From New York you can be in Mirrel in these boss, New

### FINANCIAL

# Airline Credit Sags to New Low As Expected Earnings Fail to Appear

Easy mency period over as financial institutions show wariness over further sirling francing needs; mail new sorm at law factor in revenue.

terms. This easy maney needed in ferred stock. Both of these issues over. The builders of sirting condfulled of framediate making nocustoper-partly due to demaral. on the daller for Persuateurs Central Airbans debuntares re-

ratios of 166. The maderned is none This term was workered ixie in 1945 at 160 to the extent with an initial rabble price of 192. of \$10 malbon, and praceducely Finnises Are Assess -- Amerisold at a premum day to their consumption factions. They carried a answer to the relatively far better the red in Jane, 1946, and has shown an operating profit every This suite is due to be paid off in month since A constitut cara-1960 but is callable reper to that tame at 104% can to Seut. 1, 1897; searce 1935 and has rown American Speculative Value - The real With the common stock selling at 60% early this year, the debensave eliabed pregggs prices Subsequent action caused the dubentures to follow the factuations of with the American convertable preferred selling at the same peace

into comman stork at \$31 per share. Shartly after its free-forone solit. the pew common risck sold as high as 18th. In the genmonths, the common rold below eight results ended August 11. It is block that the price of Awer-1946, PCA capacted a set less of

marking a new milestone in aucoard with a ten year materity of sinking fund debentures were taken up by the same manager

compon and busing a fire-year maturity. With the erounding of the Constellations and onboomant relot strike, TWA defect is mounting at a rapid rate. Further, the ATWA Problem... The \$40 million

drawn securities subgranting In addition to the TWA debenhave followed through with another \$19 million purchase at table sweet \$55 million on half of various lines of bank credits. The

percent interest rate and bee an extensive number of banks par-their credits to the industry but arest-a franchisa This franchine bistorn on a certificate of public convergence and necessity

certificate that reakes an unsecured credit to an arriva a sood rask in

the eyes of a ddaclary ignification.

AVIATION NEWS a November 13 1946

This could carries a 1%

Moreon substated on industry tion of the manufacturers, sper-

craft pass on to ultimate users. As

conference will include repre-

Pilote Association and, resultiv.

hone, or merely included an CAN's

time as well as what the testing

Beception of the requirement.

PRODUCTION

Joint Conference Will Study New Air Safety Requirements CAA CAB and industry representatives will meet in Week.

new models Still reshould with the resulting stars, owners, and the CAA is a ity of husbing complete safety into safety program based upon full serrest. CAB and CAA officials reporting, efficient unaligate, and appropriate action. Such proposed representatives in Washington to Madestry Shoptical - The indusa addition to powers serverthipenetual or effective in achieving would on the other hand ments many underirable implications"

service. Then, sgain suggestedly, the Engineering Office notifies the inguon on proposed 150-hour accelerated service tests for "Per some reason," Morezo obally does not receive notice of cept when an owner contacts the b De-emphasise Control-Personal he, according to Margan's letter, years officialize of securet in-

worm the partie purpose on the the Structural Forkers and Before Broot which CAA field issued.

tors are supposed to fill out and

ered to CAA Engineering offices

Sufety Busens that perhaps there

finite minition to determine its center of crunts. The plane of being tested at a grass metalt of 45,800 fb. United Services, when this misse

Prior to CAA airworthman fight tests, the first C-66 converted by United Stranger for der Jun. Buffalla N. Y. was secialad in autolated

is certificated, pleas to content several handred for contain artists AVEATION NEWS . Neverber 11, 2866



ARRY DESIGNA

uraal hallow spewer to about orester air intobe for cooling its cat percentage dress. (The Array by Tubb bish

The attachment to Manyan's lecnoted that failures and multipretions chargeable to the enginal design boar little relationship to the mamber of bours operated magnifecturers. After that, no one

Bell Will Purchase Niagara Falls Plant

before the company takes title to served the right to purchase the

plant for \$4,005,000, not including Bell tatends to use all, or proctimity all, of the plant's 1,003,000 sensor feet of factory space. Plans

on its parroll but will add at least Spanish Want Planes between a door after Jamesey I. a.

New Fibreglas Wing Is Tested by AAF another burdle at Wright Field and amouthous has opmpleted state

will be fitted to a fibrorius faterts than an orthogra-weight

of class filtre supplied by Owene Coming Glass Co., and 45% of Co. Friendles eleth is supregnated with Plashon rean '901" in machine. Leaves of this are last in Lightweight cellular cellulans

Two Special sirlines are inport planes, according to Commany points, according to Com-merce Department recerts Hapana-Toledara, S. A., and go albinia, Class. one on the

most to enter that Beld if Manuel F. Fernandez, Director S. A. Laguero El and El-

thin layer of glass cloth to form Bort and prosuce are then applied The result is a wing with rivets or other protuberances Air Material Company) enginers who developed the war emphaser the case with which patch cur he applied to a dam-

Separth As Class: Settey frush on an experimental plant-fibre wing being ensured by Wright Field project regiment Major G. B

ared water to much the same mon-

Bhombrook (loft) and Capt Wayne A. Narmon. The same is con-The company has 2500 employees (AAF photo)

Convair Reports Net

Loss of \$1,793,883

where \$21,500,000 expended to

valved with the cast X8-36

bomber on which Conver is possewly testrat for the Acrey, the

policy is to smoking costs and free

that the first B-38 might be de-

Commung's backley showed a

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Curver backtor at believed to be

voor's buckley is regarded as

Key to the Ayes prefit was the

TIR 000 after tower America \$450 .

AVIATION NEWS - Namedox 11 1966

laying before the end of Con-

Contributed Volter Aircraft Corp agrounced a loss of \$1,75%. facel year. This is after crediting

> MODEL 42 CONSTRUCTION: cents have been considered and not fines. Calm reached arrangement

policy is to melufe costs and free so sites only upon delevery of the Hydromatic Prop Ordered for 303s An order for 250 new type re-

vision of United Ameraft Corporalon from the Glenn L. Mortin Coresary. The presenters will count Martin's new transport, the

nts. St Louis, ngs the agreement undertake a horse-soule renegrob project is comperation unth the order development during the Martin 202 the Consolutated 293 lating, while govern) mastery ser-

scheduled to be equipped with the The propeller will be standard equipment on the 200s ordered by

lines, Chicago & Southern, Bestell Airlines, Northwestern Airlinos and Dalto Arrivers on Martin Miles

Hopeywell Headquarters

company (ANATION NEWS, Oct. 18 months, the Los Augeles staff

PRODUCTION -- 23



# SPECIAL AIR SERVICES

CHARTER NONSCHEDUTED INTRASTATE

CAB Streamlines seriout the uncertainated over-Violation Procedure

Proposes conference between auand Board sexcesy in place of One or man of the five uncertif-

office They were sent to Ameronn Air Export and Import Co. Cente Arrenys, Texas Air Lines, Combbean Air Cargo Leses, the CHEMES CREATED

usped Instead a CAB attorney ments of the Civil Aeronauter

An azreof-upon statement of feets surrounding the case, to-

Meanwhile, at least one of the

Arether cried the two eccelerts



Pienecring in Irror-scale distribution of securpopers by place, Airagus Brownstile and other Smith Taxon consumples. The carrier is a whelly-naved subsidiary of the Express Publishing Co. which wrists soper shirtherson. Airreson is an explicited an CAB's airfreight one and as reviewy corresponds to fly both read and corps at a convenes.



eight different voutes to the Conb-Long Island Aiclines, Inc., Southarrayon, N. Y. has asked permusbetween New York and Weshires, Mass and New York and Albert each rouse peant for all landange \$ Vacation Pieseen-A mirror in variables air toors, which it comtraffic originating punts, but lay-

Charles and Nuchtiother. Enforces Dec 11, 1985 and 0at. 7, 198 the corner made ED 200c Sylva 13720 state Sylva and 1975 at the troffs wants Philadelphia Skycruise Business Attracting Operators rane confidence to come assessed

Rico, Virgin Islands, Antaras, Martinique, Trindad, Venezaels, a General Rans-By contrast, skyresper and concesser realistwo resort stope-Names, Bocomplified by two certificate ap- hames, and Havana. Sesert car-

### Avocados Set Record

One succertificated carrier-Air fracted to corry 1,400,000 to of -and a single commedity, the Weight of all our super and at \$5,500 200 in June to 665.-935,414 in August Air experts declared from 1,945,000 in valued cont of all July imports. In Augas \$18,377,000 in June to 1,567,000 lb worth \$5,272,000 in July-lower level snoc March. Against 649.694 ills of the highly-



Three gud one-half tons of

to Teheran, Jean, by Skyudas Jutermenously Manual Peri of the a constant C-668 Comments mutel one the Boath Atlantic.

ternalistic using DC-3s and DC-4s 12 magazzore Grupperen Mullando son out of New York City. Lake Midlown Shapert (23rd St and Tuly 22 to Oct 15, 4,000 neserorans Walgross without perthap

mateir I by 20 min on the ownered traveline to and from airports The cost of purface connecting service is \$2.25. By use of sen-

### TRANSPORT

# TWA-ALPA Settlement Hangs Fire As Pilots Refuse to Sign

Piles association submits now arbitration surrement to its Chicago headquarters; object to flot monthly new rootsides By MERLIN MICKET

chairman Frank P. Dourlass of the

P Without TWA executive total

Exercised from Oct 32 to New, 4

shifty that the miets purts not

h THA Reservation-Durther com-

in afforms its remaiture, did on with

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Il are Thursday. This reads on-ALPA mists to scenar TWA

The TWA relot strike larged to-

document to ALPA precident representative TWA paints, the from all surfaces, who sait as an

In richard the originature modispute One would represent in Change of the personnel in The later orbiteation proposal tratar, and such side will have was signed in the presence of three days to present its case and

two days relutted, followed by half a day to septe. The besed's after the end of the bearing, will will be called off and the palots

1 36-Haur Lag-Tachter estimated ton First transportmental and interestional fields would stort singlespends from New York Mest of TWA's 15,000 other oreonce Jack Paye, TWA president francial loss we have suffered, it

will be impossible for us to return all personnel to their sobe Arbitrarion Points Company Involved in the

Member succeedes for adole

man for oversex fights.

• fotoos and quagifying worthly conpensates for yight and co-plots nuigned in their type of • Bules involving trip renemen horing repetion, married benefits, workingto, erregion of the period period period period period of books to be period and the period of books to be period and the period of the period Make these innerations and bid dig provides. It reachings to interment of pending unsetted disputes that have been dead-noted for sector educations. He suggested that employees who their TWA supervisors before rre-

TWA's nonneceptance of end

the rate of \$500 and \$200 oca month respectively. Included in

### Evaminer Fromme On Northern Route

Air Groups Begin Work tification of the through persons. On New Type Agreement swight by Western Air Lines and onton by Dulath Audines, fee Daketh, Minn, for a new feeder operation between Chiesen and rest PSCAO sperobly. in Marchaux, Mirraryota and Iraca. to these were recommended for



Panam Gets Support From Ciries to Be Served FIRST OF TEN.

The 12 U.S. often which Pin skeem as it meant un exceler were to appear so support of the bers, N. J., which is orifiting the Seet Zonda se scheduled to operate in the most and north occurs roots explications. The offer all non terminals on PAA's consens

Work has started both in the Air

Acceptance of such an agree-

indicatines are that the practic-

sisting of adopting the Bermada

Field (Mercia & Neimon photo)

geles, Massa, New York, New Orleans, Philadelphia, San Francase. Scattle and Washington. Application by G.I. Avdison, MIproplets for a right and day much nachom service in Wittenaux. Il-John C. Lesise, PAA vice ocesifrom Michigan, Minnesota and seem of the bigh made constant

# Freight Forwarder

Case Will Be Split weekly proportions Now under considerables to the expenses, a Lecbe acted and in different sections with the Boant. Thry include hads

toblished policies or ourulatory

AVIATION NEWS . Nevember II, 1966

### Improved Air Pickup Installed by Beech

The Dearles DCA that will be progressments in air welves water restailed by all American 18Cs, designed for combension elevator, that aids 6,000 In to the normal weight of the present 170-150 mob. are 100 Pt. at 150 Et at 300 men. For the Straux. they are 90 to at that speed, 60 Ib at 130 reph., 70 lb, st 146 mpb., A special approprient on the Besecully the reckup unit is the ship, which probably will be the

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New 'Secred Com'

presidenth of the Boughs DC-6 long by the Array Plan is to dress the fact that the Sarced pression the piece stones around souther the President's bidding. 36,500 have been an Precidential White House did not order the a considery as an important to

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Travel Insurance Period studying to be hostener, traffic representatives and personnel for scheduled strike passengers

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> AM to be consulidated onto one Belgian Atlantic Service

To Start in March Sobote will seen scheduled 422 Medium Ave. also about The Belgish string, which bad

tion Otherwise, service will be Is addition to the three DC-6

TRANSPORT - 29

### include in their exhibits suggestions and proposals as the regre-AVIATION NEWS . November 11, 1966

Airfor treet atmoorant in the reel few years will be nessenter traffic respective of the Paligue Co. 19though be of the shifteen in the thread postance. Eurice spale last week hefree the American Association

### sizerall on order and these DC-ts. was \$196,377, or 51 certs per as band, company operates 22 transports including DC-ls and pean and African pervices.

on 328.308 shares of coverage stock

ontstanding. The correspondent for

ure far the same period of 1945

compared to a net of \$111.570, or 29 cents per shape a year ago Mid-Continent Shows the first name mouths of that year Net Profit of \$414,393 name remail of 1945. Reserve males were un 68 percent from Recreased synfits reported by nine months anded Sent 33 1966 mercer plan a morth arm LATIAmay News, Oct. 71. The Band operating efficiency, M and 96 perand it beend MCA might prove es en energies state refere runi and express tees, 776 and The carrier showed a \$414,392 \$55, real and express ten railes, the equipment of \$1.05 per share Examiners Urge

# New Feederlines

western, south central and Greet Managery, Valley case Lect1 operations favored by Ex-James S. Krith from among the lucs, Inc., Houston, Tex., L313 Air Lases, Inc., Surregiold, Ma., 1.335 route make between 58

stine. Mins. 968 confin reiter between Memohis and New Orleans Losse, Ill. Li00 roote mass be-Inc. Proposteroffic Ack. 485 mate

offices new propolation that are conditted with consumer by 184 nervent mended only on the condition that colls for space. The samen which is ar will be installed at right other possis revolves charges in office lovest, specialization of agency duries once to constitute a female feeder Brand (Hestan-New Orleans, and Mamphia or Little Rock-Daliss); Charage and Southern (Mera-

phis-New Orleans, Memphis-Orlege-Brownville); Coptant-La -Fort Worth); Proper (Hauston-New Orleans), Mid-Contingnal (Kennis City-Chicago, Namus

two countries who have been New translate intermediate manths, the U. S. Embooty at present, the U.S. but no commercial sirlines operating to the Philip-U. S. - Philippine Air Pact cenes except on a charter beau Pan American Airways recently

Is Nearing Completion the U.S. and the Philippine Re-



to equition and lines for the handling of fresht commerce. Cold storage units will be included. Property veters on Nov. 29 well decide whether plan counders the expenditure of \$3,390,000 of Pedresi justs and \$3,500,000 by private interests. What areas indicate primary develop-

Possibility that Lockberd may silver TWA's convolted The Philippines Republic has Air Tressport, Inc., and Philipturber. The eight were con-pleted or negative completion. when the plut stake forced the execulation Lettle difficul-

public has been completed and

Air France Accidents Due to Fuel Break, Engine (McGross-Hall World Neura)

> respectively to loss of power si in faght. Both planes were DC-in Official investigators found that Coase of the power loss was not An occident on the Copenhagon-

off again under normal conditions. SHORTLINES ARDAG Constitutions from he teners Very York and London all

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IG...TRANSPORT

DESIRVATIONS OFFICE DATTERN.

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Louis and Moline with other links AVIATION NEWS . Necessary 11 1046

AVIATION NEWS . November II, 1965

• Engage Acr Unes has been added THANSPORT - U ANTHOR BOARD IN CONTRACTOR AND UNIT OF

halo make the later of the later. Annie Deliveras supres rate Success

senger plane makes, 1,349,454 and one 113,006 . 1702,151 % of six cures was curried by Hawailea dur-

NATIONALL ARCHART CORP. Londont Str. Louis Municipal Abport FOR SALE-CESSNA UC 76 pres, Stancel E. Pryce, Jr., was

A bright UC PL A years conjust and some property also territable. Further, yet would the to make a shot by the for-EDUNSON AVIATION, INC. THE PROPERTY AND ASSESSED. MODERNION MODERNAM LICENSES

485 hrs. since new. No time alone ERED TARE 2507 M M 750 ATTHE HAM. FLORIZA

AVIATION EXECUTIVES well established, automally become IN West that Street, New York IS, N. Y.

b Krindreaving Airlines motors has

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MADONNELL AIRCRAFT CORP. of St. Louis Has country by SENIOR ACCOMMUNICISTS by used on pilaties gircraft. Three years' experience in Aeradynamics remained. Femariance and training in Superarcia Accordangeion desired but not essential.

McDONNELL AIRCRAFT CORPORATION ST. LOUIS (21). MISSOURI

Harmany daily passenger what ure to be used for testing and experimental services. Pressured molek will be built at Constain foundled scrype, Mastreal-Ser-reads. West Indian service, and last parviou....TCA carried

LVMA has established special are is sales supervisor—ethletics and theatricals. Both will office in Kanan City TWA terned one regular arreses

b Distlet has among your truffly of fices at Cleveland (1775-71 Eucle) Western's revenue resumpter males for September were 25,236,927 comwere 165.426, a 53 percent management.

AVAILABLE

MPG'S TECHNICAL

PT-19 LOW TOTAL TIME

and is CAA licensed and made to

considered. With to

62) S. Prom St., Let Ansolve M. Cold AVIATION NEWS & Namedox II 1866 lactura rate consumentana

and Annualty, required frequent GAB ACTION Oct Appropriate Parks to be opposite

FOR SALE Lockheed 10-A Electro

Address inquiries re-

and proposer, Secretarian Section, Sec.

They make and selve M. Jink, Soing Least Albar & mall pay of Arterious Switches Albar & magning or and proposer, and

opine promising order to Deceases, in other to v. 18. Starting in Companie Marchain de Arthodochings nice comice permit annexed annexe reference months Divided request of Divings and Southern All Have he's sentitive environment finish between E. Lewis and Life Son, Environment Manager of Manager and Research very All I and it without a register of Manager.

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"King appearing for arrow in Golds."
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New E. Rewberg of Staffin comes Margine
Line, E. J. Carlon, E.S. at 21
page 18. Authorized of Staffin Intelligence in In Jan. 5. Restorate of artifate to Corbbon-Affairs Affairs embers for broader county (Design 2014) (Delter III) et al.; Ran M. Funcky en Cardison albatic Ale-Este numbrailles, for briggs probe Jrs. S. Bernay In part treating addition.

EDODELLEDS . GOVERNORS . BLADES FIGURE ACCESSORIES

Overhaul Parts for Peabellers and Accessories LARGE STOCKS ON HAND We leadly Four Jugalities

# PHONE - WIRE - WRITE YOUAY AIDCRAFT COMPONENTS CORPORATION Authorized Agent for War Assets Administration some certific on National St., Major certific at S. L. Inf Acr.

.-----New 14 oz. Fuel Pump FOR LIGHT PLANES 



140 ABBE TOAD . ELTEIA, ONIO

### Contrast in Chambers of Commerce

Chambers of Commerce have perfected-of nothuse else-the ability to make news, by press rethe Pittsburgh Chamber of Commerce in arguing corners in eviation, especially neededuced fir-

In bright contrast is the record of the Calcland. California, Chamber of Commerce, whose Assaton Division is respared by Howard Walderf honger space in war-leased faculties held by the and personnel at international auriorts of entry 3-Interested successfully with dederal housing

3-Secured surreduce telephone service for Lower office space and in sentring furthfree in other 5-Assisted there in locating and obtaining suit-

6-Assisted them in attraction defind help, and aided those selected for employment in solving 7-Arranged illustrated newspaper stories of their first flights to attract public attention to these

6-Amirical them in various other problems, by removing trained imperitors and replaces them and has patroused there services frequently, in 1000 returned military signed and ground negative. This spirit of cooperation has already paid divithan 2000 jobs, representing a \$5,000,000 a year payroll, which has developed from a standing stort Weldorf has been in aviation stars 1917. Ho remembers the young palets returned from World

of flying a pluse," to quote the Pittsburgh Chariher Like William B Kent where nies for the newcomer was prested on this page Oct. 23, Waldoef remembers the unimpressive prosects of a "It wasn't so many years ago that the Caldand Chamber of Commerce, and the writer, helped a her archites represent Today then parties

# "must" reeding for the rest of the country-en-Easing Foreign Air Travel

Like so many growing using of aviation, the customs bosey is tied up with another—the immocustion problem. This vital process broke down surreyed LaCoundia terreteal. Some 486 resource-In desperation are surfaces postested to the U.S. tion whatever to sirline schedules. Furthermore, intritriction officials had added chaos to confusion

with recruits Actually, of course, unternational awasteen 8.—Courselled at length and mainted more than has developed faster than the most optimistic foreneed for the samplification of regulations being sought so vicorously by the new Committee for World Travel, headed by L. Weigh Porus and nided by a prominent group of associates. Intersymbols of surface boundaries and another era-

### GUARDING WAR BIRDS WHILE THEY

To help keep the many thousands of army instrumeisture penetration from the outside and may your planes "en ice" in cose of future mood is one of the important jobs brine performed by CECO Protek Plans. They assure a new high standard of upotection against the presence of mainture within sircraft engine cylinders.

The unique construction of these place guarantees complete protection at all precs. The highly-absorbent silies sel is englosed in a metal-scated glass chumber. This chin-

and at the same time gives a clear victure of recistors conditions within the extinder The silies sel is treated with the blue due which evaluable terms such as the shore reach saturation indicating exactly when they should be replaced.

promptly. Just write to the address









PRECISION PRODUCTS

AND

ENGINEERED SYSTEMS

FOR AIRCRAFT

In this GE altitude chamber at Schenectady, new types of electric aircraft equipment are subjected to tests under varying temperatures and pressures. The room can be made to simulate conditions at altitudes of 60,000 feet, 100 per cent humidity, or heated to 170 F, as well as cooled to 90 degrees below zero. Here a G-E engineer uses a voltmeter to test a magneto of the type that "sparked!" the Thunderbolt and many other planes during the war.

Now this magneto, slightly modified will be used on the Pratt & Whitney 2800C Double Wasp engines that varive some of the newest commercial planes. Specified by the operators, vase magnetos will soon make their appearance on the Douglas DC-6, Martin 202, and Convair 240. Various types of harness are available, including a new re-wirable harness especially suitable for commercial use.

As time goes on, more and more G.E. equipment is being made available for commercial use—power systems, turbosuperchargers—even jet engines. G.E. also manufactures an extensive line of instruments for aircraft. Our enginers will be glad to discuss this equipment with you. Apparatus Dept., General Electric Company, Schnectady 5, N. Y.

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